I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C., 20231, on: et No. 5525-0057 PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED APPLICATION OF: Mao, et al. EXAMINER: Unknown SEP 1 0 2001 SERIAL No.: 09/867,201 ART UNIT: 1645 **TECH CENTER 1600/2900** FILED: May 29, 2001 For: SEQUENCING BY PROXY Information Disclosure Statement Within Three Months of Application Filing or Before First Action - 37 CFR 1.97(b) Assistant Commissioner for Patents Washington, D.C. 20231 Sir: 1. Timing of Submission This information disclosure is being filed within three months of the filing date of this application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever occurs last [37 CFR 1.97(b)]. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application. 2. Cited Information Copies of the following references are enclosed: All cited references References marked by asterisks The following: Copies of the following references can be found in parent application Ser. No.: All cited references References marked by asterisks П The following:

USSN: 09/867,201

3. Effect of Information Disclosure Statement (37 CFR 1.97(h)

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

4. <u>Fee Payment</u>

No fees are believed due. However, should the Commissioner determine that fees are due in order for this Information Disclosure Statement to be considered, the Commissioner is hereby authorized to charge such fees to Deposit Account No. 04-0531.

Respectfully submitted,

LeeAnn Gorthey

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Correspondence Address:

Customer No. 22918

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INFORMATION DISCLOSURE CITATION Form PTO-1449 (Modified)

1 P (Use several sheets if necessary)

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U.S. PATENT DOCUMENTS

| | | | · · | | | |
|-------------|-----------|----------|---------------------------------------|-------|----------|----------------|
| Examiner | Document | Date | Name | Class | Subclass | Filing Date |
| Examiner | | | | 1 - | ŀ | If Appropriate |
| Initial | Number | 1 | · · · · · · · · · · · · · · · · · · · | | | |
| | 5,593,826 | 01/14/97 | Fung et al. | | | |
| | 5,599,921 | 02/04/97 | Sorge et al. | | | |
| | 5,750,341 | 05/12/98 | Macevicz | | | |
| | 5,763,175 | 06/09/98 | Brenner | | | |
| | 5,846,719 | 12/08/98 | Brenner et al. | | | |
| | 5,935,793 | 08/10/99 | Wong | | | |
| | 5,981,176 | 11/09/99 | Wallace | 1 | | |
| | 6,124,092 | 09/26/00 | O'Neill et al. | | 1 | |
| | | | | | | |
| | | 1 | | | | |

FOREIGN PATENT DOCUMENTS

| Document | Date | Country | Class | Subclass | Translation |
|-------------|------------------------------------|---------|--|--|---------------------------|
| Number | | | | | |
| 303 459 A3 | 02/15/89 | EP | | | , |
| 799 897 A1 | 10/08/97 | EP | | | · |
| WO 00/58516 | 10/05/00 | PCT | | | |
| | | | | | |
| | Number 303 459 A3 799 897 A1 | Number | Number 303 459 A3 02/15/89 EP 799 897 A1 10/08/97 EP | Number 303 459 A3 02/15/89 EP 799 897 A1 10/08/97 EP | Document Date Country |

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Bergstrom, D.E., et al., "Synthesis, Structure, and Deoxyribonucleic Acid Sequencing with a Universal Nucleoside: 1-(2'-Deoxy-β-D-ribofuranosyl)-3-nitropyrrole" J. Am. Chem. Soc. 117:1201-1209 (1995).

Brenner, S., et al., "In vitro cloning of complex mixtures of DNA on microbeads: Physical separation of differentially expressed cDNAs" Proc. Natl. Acad. Sci. USA 97(4):1665-1670 (2000).

Brenner, S., et al., "Gene expression analysis by massively parallel signature sequencing (MPSS) on microbead arrays" Nature Biotechnology 18:630-634 (2000).

Chen, J., et al., "A Microsphere-Based Assay for Multiplexed Single Nucleotide Polymorphism Analysis Using Single Base Chain Extension" Genome Research $\underline{10}$:549-557 (2000).

| ~ | | Devaney, J. and Marino, M., "Microsatellite DNA Analysis with the |
|-------|---------------------------------------|--|
| | | WAVE® Nucleic Acid Fragment Analysis System" Transgenomic |
| (8 | CAR | Application Note 110 pp. 1-4 (1999). |
| o` | नाता है। | Warallel Genotyping of Human SNPs Using |
| SEP R | P. P. | Fan, JB., et al., Parallel Generic High-density Oligonucleotide Tag Arrays" Genome Research 10:853-860 (2000). |
| Sc | X | Generic High-density Oligonacies 123 |
| ATE | TA TRADER | 10:853-860 (2000). |
| | | The transfer of the transfer o |
| | | insertions and deletions in BRCA1 and BRCA2" Nature Biotechnology 18:561-564 (2000). |
| ē | | 18:561-564 (2000). |
| | · · · · · · · · · · · · · · · · · · · | 13 Kada B at al., "Incolpotación of nomes" |
| | • | Synthetic Oligonucleotides and Their Use in the PCR" Genetic |
| | | Analysis Techniques and Applications 10(2):61-65 (1993). |
| | · | Corry N. P. et al., "Universal DNA Microarray Method for |
| TOPY | | Multiplex Detection of Low Abundance Point Mutations" J. Mol. |
| C | | Biol. 292:251-262 (1999). |
| | | Glen Research, "New universal and degenerate bases" The Glen |
| LI | · | Report 8(1):1-5 (1995). |
| ᆽ | | Gronostajski, R.M., "Site-specific DNA binding of nuclear factor |
| 9 | | Gronostajski, R.M., Site-specific but satisfies |
| | | I: effect of the spacer region" Nucleic Acids Research |
| 2 | | 15(14):5545-5559 (1987). |
| | | Haefele, R. and Gjerde, D., "Quality Control and Purification of |
| • | | Oligonucleotides on the WAVE® Nucleic Acid Fragment Analysis |
| | | System" Transgenomic Application Note 103 pp. 1-3 (1999). |
| ĺ | | Huber, C.G., et al., "Rapid and Accurate Sizing of DNA Fragments |
| | | by Ion-Pair Chromatography on Alkylated Nonporous Poly(stylene- |
| | | divinylbenzene) Particles" Anal. Chem. 67:578-585 (1995). |
| | | Kaczorowski, T. and Szybalski, W., "Co-operativity of hexamer |
| | | ligation" Gene 179:189-193 (1996). |
| | | Waczorowski, T. and Szybalski, W., "Genomic DNA sequencing by |
| | | SPEL-6 primer walking using hexamer ligation" Gene 223:83-91 |
| | | 1/1008) |
| | | Loakes, D. and Brown, D.M., "5-Nitroindole as an universal base |
| | | analogue" Nucleic Acids Research 22(20):4039-4043 (1994). |
| | | Matteucci, M.D. and Heyneker, H.I., "Targeted random mutagenesis: |
| | | Matteucci, M.D. and Reyneker, H.I., Targetta the use of ambiguously synthesized oligonucleotides to mutagenize |
| | | the use of ambiguously synthesized origination codon" Nucleic Acid. sequences immediately 5' of an ATG initiation codon" Nucleic Acid. |
| | | sequences immediately 5. of all Ald Interdets. |
| | | Research 11(10):3113-3121 (1983). |
| | | Munson, K., et al., "Sizing of DNA Fragments with the WAVE" |
| | | Nucleic Acid Fragments Analysis System" Transgenomic Application |
| | | Note 109 pp. 1-3 (1999). |
| | | Nichols, R., et al., "A universal nucleoside for use at ambiguous |
| | 11 | 260.402_403 (1994) |
| | | sites in DNA primers" Nature 369:492-493 (1994). Oefner, P.J., et al., "High-Resolution Liquid Chromatography of |

| | Fluorescent Dye-Labeled Nucleic Acids" Analytical Biochemistry 223:39-46 (1994). |
|-------------|--|
| | Taylor, J.D., et al., "Flow Cytometric Platform for High- Throughput Single Nucleotide Polymorphism Analysis" BioTechniques |
| | 30(3):661-669 (2001). |
| EXAMINER | DATE CONSIDERED Initial if reference considered, whether or not citation is in conformance with MPE Initial if reference considered, whether or not considered. Include copy of this |
| lleng. Draw | Initial if reference considered, whether of hot citation is a solution of this line through citation if not in conformance and not considered. Include copy of this next communication to applicant. |

